09/774,028

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NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Apr 08	"Ask CAS" for self-help around the clock
NEWS 3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4	Apr 09	ZDB will be removed from STN
NEWS 5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS 8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS 9	Jun 03	New e-mail delivery for search results now available
NEWS 10	Jun 10	MEDLINE Reload
NEWS 11	Jun 10	PCTFULL has been reloaded
NEWS 12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS 13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS 14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS 15	Jul 30	NETFIRST to be removed from STN
NEWS 16	Aug 08	CANCERLIT reload
NEWS 17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18	Aug 08	NTIS has been reloaded and enhanced
NEWS 19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 23	Sep 03	JAPIO has been reloaded and enhanced
NEWS 24	Sep 16	Experimental properties added to the REGISTRY file
NEWS 25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 27	Oct 21	EVENTLINE has been reloaded
NEWS 28	Oct 24	BEILSTEIN adds new search fields
NEWS 29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS 31	Nov 18	DKILIT has been renamed APOLLIT
NEWS 32	Nov 25	More calculated properties added to REGISTRY
NEWS 33	Dec 02	TIBKAT will be removed from STN
NEWS 34	Dec 04	CSA files on STN
NEWS 35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 36	Dec 17	TOXCENTER enhanced with additional content
NEWS 37	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 38	Dec 30	ISMEC no longer available
NEWS 39	Jan 13	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 40	Jan 21	NUTRACEUT offering one free connect hour in February 2003
NEWS 41	Jan 21	PHARMAML offering one free connect hour in February 2003
NEWS 42	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 43	Feb 13	CANCERLIT is no longer being updated

NEWS EXPRESS	January 6 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 15:25:36 ON 19 FEB 2003

=> file biosis caplus medline

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	0.42

FILE 'BIOSIS' ENTERED AT 15:26:28 ON 19 FEB 2003
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FILE 'MEDLINE' ENTERED AT 15:26:28 ON 19 FEB 2003

=> s primer# (10a) (hairpin or self hybridiz#####)
L1 288 PRIMER# (10A) (HAIRPIN OR SELF HYBRIDIZ#####)

=> s l1 and (random (5a) sequence#)
L2 0 L1 AND (RANDOM (5A) SEQUENCE#)

=> s l1 and random sequence#
L3 0 L1 AND RANDOM SEQUENCE#

=> s l1 and random
L4 2 L1 AND RANDOM

=> s l4 and inosine nucleotide#
L5 0 L4 AND INOSINE NUCLEOTIDE#

=> d l4 1-2 bib ab kwic

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS
AN 2000:388516 CAPLUS
DN 133:54523
TI Improved methods for DNA fingerprinting
IN Caetano-Anolles, Gustavo; Bassam, Brant J.; Gresshoff, Peter M.
PA The University of Tennessee Research Corporation, USA
SO U.S., 22 pp., Cont.-in-part of U.S. 5,413,909.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 7

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6074818	A	20000613	US 1993-139459	19931020
	US 5413909	A	19950509	US 1993-6380	19930119
	US 5567585	A	19961022	US 1994-258553	19940609
	CA 2174748	AA	19951214	CA 1994-2174748	19941018
	WO 9533853	A1	19951214	WO 1994-US11919	19941018
	W: AU, CA, FI, JP, KR, RU				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9480837	A1	19960104	AU 1994-80837	19941018
	EP 725835	A1	19960814	EP 1994-931925	19941018
	R: BE, CH, DE, DK, FR, GB, IT, LI, NL, SE				
	JP 09507642	T2	19970805	JP 1994-528536	19941018
	US 5962221	A	19991005	US 1995-489269	19950609

PRAI US 1990-573627 B1 19900824
US 1991-676869 B2 19910328
US 1993-6380 A2 19930119
US 1993-139459 A2 19931020
WO 1994-US11919 W 19941018

AB The present invention provides novel improvements in methods and products in DNA amplification fingerprinting (DAF). The invention also provides a method of reamplifying DNA products of DAF to synthesize DNA sequences extended at the 5' end by functional regions. The invention further provides novel arbitrary oligonucleotide primers including polyamide nucleic acid (PNA)-contg. **primers**, particularly short **primers** such as a mini-**hairpin primer** having only 3 nucleotides of arbitrary sequence at the 3' end and a hairpin structure at the 5' end, which provide improvements not only in DAF, but also in multiple arbitrary amplicon profiling (MAAP) techniques, like in **random** amplified polymorphic DNA (RAPD) anal. or modifications thereof. Also disclosed is the use of improved highly thermostable DNA polymerases, truncated derivs. of Thermo aquaticus (AmpliTaq), which are esp. well suit for use in DAF and other MAAP techniques. In addn., the invention provides multiple endonuclease digestion of selected template DNA followed by the treatment of DNA digestion by DAF or other MAAP techniques.

RE.CNT 55 THERE ARE 55 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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IT Conformation
(**hairpin** loop, **primers** contain; improved method for DNA fingerprinting)

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS
AN 1994:693930 CAPLUS
DN 121:293930
TI MAAP: a versatile and universal tool for genome analysis
AU Caetano-Anolles, G.
CS Plant Molecular Genetics, Inst. Agriculture Center Legume Res., Univ. Tennessee, Knoxville, TN, 37901-1071, USA
SO Plant Molecular Biology (1994), 25(6), 1011-26
CODEN: PMBIDB; ISSN: 0167-4412
PB Kluwer
DT Journal; General Review
LA English

AB Multiple arbitrary amplicon profiling (MAAP) uses one or more oligonucleotide primers (.gtoreq. 5 nt) of arbitrary sequence to initiate DNA amplification and generate characteristic fingerprints from anonymous genomes or DNA templates. MAAP markers can be used in general fingerprinting as well as in mapping applications, either directly or as sequence-characterized amplified regions (SCARs). MAAP profiles can be tailored in the no. of monomorphic and/or polymorphic products. For

example, multiple endonuclease digestion of template DNA or the use of mini-**hairpin primers** can enhance detection of polymorphic DNA. Comparison of the expected and actual no. of amplification products produced with primers differing in length, sequence and GC content from templates of varying complexity reveal severe departures from theor. formulations with interesting implications in primer-template interaction. Extensive primer-template mismatching can occur when using templates of low complexity or long primers. Primer annealing and extension appears directed by an 8 nt 3'-terminal primer domain, requires sites with perfect homol. to the first 5-6 nt from the 3' terminus, and involves direct phys. interaction between amplicon annealing sites.

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IT Genetic methods
(**random**-amplified polymorphic DNA; genome anal. using multiple arbitrary amplicon profiling)

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